by an accurately directed sting. But it seems wholly unreasonable to pretend that or experiment the worm could have acquired its marvellous skill in dissection or that complicated chain of events. affecting the behaviour of two generations! could elaborated by casual or tentative experience. The fascinating pages of M. Fabre support this hosts of illustration bv others. which show that even if habits may in some cases herited, instinctive behaviour is too elaborate have been derived from them. various plexities of instinctive conduct must originated in such mutations, or "sports/5 have produced the different species of and plants animals. And. after all. its manifestations more wonderful than the instinctive functioning of our vital organs.

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sensitive cell is A nerve t.o impression exhibits a reaction. The behaviour of a photographic plate under the action of light precisely similar. But in the cell these processes appear to be attended by something lacking in the plate—by a feeling of awareness or consciousness. To some this will appear monstrous hypothesis : it invests a nerve with attributes that are peculiar to brain. But the brain is but a mass of nerve cells. and derive must its power from its

constituents. During sleep the brain is quiescent: if the finger of a sleeping person is pinched. it is sharply withdrawn although he is not awakened. This. it may be urged. is a purely automatic action. and does not prove that any awareness arose. But the pinch may move the sleeper to dream that a